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py, of Bristol, Merchant ; for Improvements in Tea and Coffee Urns.

To all to whom these presents shall come, &c. Now know ye, that in compliance with the said proviso, I the said Sarah Guppy do hereby declare that the nature of my said invention, and the manner in which the same is to be performed, are particularly described and ascertained in manner following ; that is to say : I do make my tea and coffee urns in general of any of the usual forms and constructions to contain water, or any of the other fluids which commonly are, or may be, put into such vessels. And I do heat, or keep hot, the said water or fluids by the use and application of a lamp or candle, or heater of metal, or by any other well known means. But I do so far vary the said forms and constructions as to admit of a small vessel being fixed, placed, suspended, or inserted within the upper part of the said urns respectively, so that the said vessel shall receive heat from contact or immersion in the heated fluid, or from the steam or vapour issuing therefrom, and be capable of receiving one or more eggs, and of boiling or cooking the same. And I do accordingly so fix, place, suspend, or insert a small vessel, of such form and size as may suit the said purpose ; and do use and apply the same to the boiling or cooking of eggs.

And farther, I do in the same, or in other urns, so add to or vary the form and construction of the upper part or cover thereof as to afford an elegant and convenient support for a plate, or small dish or other vessel to contain teast, or other articles of food or refreshment, and by contact with the heated fluid, or the steam or vapour proceeding therefrom, to keep the same well and sufficiently heated during the time the said plate

or dish shall continue upon the said support. And I do accordingly so place and use such plates, dishes, or vessels for the purposes aforesaid.

And I do farther declare, that I do make the said changes and additions in and unto tea and coffee urns, of various forms, so as to be capable of being applied or removed as convenience or choice may require. And that the said forms and dimensions, in all the variety of the same, may be fully and completely determined, from a consideration of the purposes intended to be answered by any competent workman in the manufacturing of articles of this or the like nature.

Observations by the Patentee.

The superior utility of these urns is so very evident, that it is quite unnecessary to say any thing in their favour—they speak for themselves ; and those persons who have already used them speak highly of their convenience ; and as the additional expense is trifling, it is presumed no person will deprive themselves of the accommodation on account of their cost.

ON THE CULTURE OF SEA-KALE.

Among the papers published in the last volume of the Transactions of the Society for the Encouragement of Arts, Manufactures, and Commerce, was the following account of the culture of Sea-Colewort, or Sea-Kale, by H. B. WAX, esq. of Bridport :

“ The mode which I consider the best for the culture of sea-kale, is to draw lines in a very dry soil and dry situation, on ground with a southern aspect, about two feet one way by about eighteen inches the other, and where the lines cross to put in three or four good perfect seeds in a square or triangle, about three inches apart ; this may be done any time in Novem-

ber or December in open weather, and it will require no other care afterwards but keeping the ground clear from weeds till the autumn of the following year, when all the plants but one of the finest in each square may be taken up, which if wanted will serve to form other beds set the same distance apart. The ground in the intervals of the plants should be dug in the spring and fall of the year, taking care not to injure the plants. The leaves should be left on the plants till they fall off naturally, which will not in general be sooner than the latter end of November. In the autumn of the second year the same attention should be paid to the plants, and to remove the dead leaves.

In the third year, about the middle or latter end of November, when the leaves have been cleared away, and the ground dug, each plant should be covered over close with a tub, pan, a heap of small stones, coarse cinders, or coarse bark raised about ten or twelve inches over the crown of each plant, and, from about the latter end of February, to the latter end of March, the plants will be very fine and fit for use. I prefer that which has been bleached with our round sea-gravel, about the size of large peas or beans, to any other mode whatever. The plants should be cut but once in a year, as cutting it oftener, weakens and lessens the size of the plants. If it is not desired to have the plants large, they

may be bleached and cut, a year sooner.

"I have sent a specimen of the sandy soil in which it grows naturally here, as I think the generality of gardeners are too careful, and manure the ground too highly for it. In the month of April last, after cutting my plants, I covered the ground all over, at least six inches above the crown of the plants, with this earth: they soon shot up through it, and never looked finer or produced a larger quantity of good seed than that year.

"I am thus particular in order to show that this vegetable will succeed as well, if not better, in poor ground than in rich, provided the soil be dry, and care taken in the management; I speak from long experience, having been well acquainted with the management of this valuable plant from my youth. When I cut the sea kale for use, I immediately draw up the earth with a trowel, so as completely to cover the whole of the plant; this I fancy makes them grow more luxuriantly. This plant if properly managed, is superior to asparagus, and if more is cut than wanted for immediate use, it will keep for some days in a pan of cold water, but of course it cannot be better than when recently cut. It precedes the use of asparagus, being ready for the table in February and March."

LIST OF NEW PUBLICATIONS.

AGRICULTURE.

HORTUS Siccus Gramineus; or, a collection of dried specimens of British grasses, with botanical illustrations; by Wm. Salisbury, £3 3s.

A Practical Treatise on the Parturition

of the Cow, or the extraction of the Calf, and on the diseases of neat cattle in general; by J. Skeller, 21s.

BIOGRAPHY.

Memoirs of the Princess Royal of Prussia, sister of Frederic the Great; written by herself.